



U.S. PATENT AND TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | |
|--|---|-----------------------------|--------------------|
| Substitute for form 1449A/PTO | | <i>Completion if Known</i> | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Application Number | 10/087,924 |
| | | Filing Date | March 5, 2002 |
| | | First Named Inventor | Joseph HESS et al. |
| | | Art Unit | 3752 |
| | | Examiner Name | unknown |
| Sheet | 1 | of | 1 |
| | | Attorney Docket Number | |

U.S. PATENT DOCUMENTS

RECEIVED

SEP 23 2003

TECHNOLOGY CENTER R3700

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

Patricia Robinson

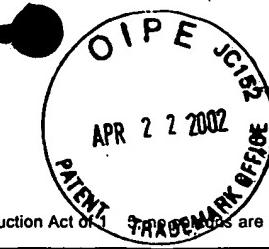
Date
Considered

17 March

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 2

Compleat if Known

| | |
|----------------------|---------------|
| Application Number | 10/087,924 |
| Filing Date | March 5, 2002 |
| First Named Inventor | Joseph HESS |
| Art Unit | 3752 |
| Examiner Name | |

Attorney Docket Number SYN 0002

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. 1 | Document Number Number - Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | class / sub |
|--------------------|------------|---|--------------------------------|--|-------------|
| JB | A | us- 3,044,276 | 07-17-1962 | F. KAUTEN | 402 311 |
| | B | us- 3,677,441 | 07-18-1972 | D. R. NIXON, JR. et al. | 222 403 |
| | C | us- 4,467,961 | 08-28-1984 | R. A. COFFEE et al. | 239 1 |
| | D | us- 5,038,972 | 08-13-1991 | K. J. MUDERLAK et al. | 222 25 |
| | E | us- 5,046,648 | 09-10-1991 | R. E. HERBSTZUBER | 222 438 |
| | F | us- 5,147,582 | 09-15-1992 | C. R. HOLZNER, SR. et al. | 261 30 |
| | G | us- 5,178,327 | 01-12-1993 | S. PALAMAND et al. | 239 57 |
| | H | us- 5,186,869 | 02-16-1993 | D. D. STUMPF et al. | 261 30 |
| | I | us- 5,223,182 | 06-29-1993 | R. L. STEINER et al. | 261 26 |
| | J | us- 5,342,584 | 08-30-1994 | B. L. FRITZ et al. | 422 124 |
| | K | us- 5,431,859 | 07-11-1995 | J. TOBIN | 261 52 |
| | L | us- 5,529,055 | 06-25-1996 | J.-L. H. GUERET | 128 200,14 |
| | M | us- 5,549,247 | 08-27-1996 | J. R. ROSSMAN et al. | 239 57 |
| | N | us- 5,591,409 | 01-07-1997 | C. J. WATKINS | 422 110 |
| | O | us- 5,760,873 | 06-02-1998 | G.-U. WITTEK | 352 85 |
| | P | us- 5,832,320 | 11-03-1998 | G.-U. WITTEK | 396 104 |
| | Q | us- 5,938,117 | 08-17-1999 | Y. IVRI | 239 4 |
| | R | us- 6,062,430 | 05-16-2000 | K.-H. FUCHS | 222 105 |
| | S | us- 6,110,888 | 08-29-2000 | A. T. LUPO, JR., et al. | 512 1 |
| | T | us- 6,196,219-B1 | 03-06-2001 | J. HESS et al. | 128 200,21 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. 1 | Foreign Patent Document Country Code ³ -Number ⁴ - Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | class / sub | T6 |
|--------------------|------------|---|--------------------------------|--|-------------|------|
| JB | U | EP-0 714 709-A1 | 06-05-1996 | J.-C. MILLET et al. | - | - AB |
| | V | EP-0 831 384-A1 | 03-25-1998 | RICOH COMPANY | - | - |
| | W | EP-0 923 957-A1 | 06-23-1999 | MICROFLOW ENG. | - | - |
| | X | FR-2 776 947 | 04-03-1998 | PARFUM INDIGO | - | - AB |
| | Y | WO-00/38512-A1 | 07-06-2000 | SOUTHHAMPTON UNIV. | - | - |
| | Z | WO-00/47335-A1 | 08-17-2000 | S.C. JOHNSON ... | - | - |
| | AA | WO-02/09772-A2 | 02-07-2002 | PROCTOR & GAMBLE | - | - |
| | BB | WO-02/09773-A2 | 02-07-2002 | PROCTOR & GAMBLE | - | - |
| | CC | WO-02/09776-A2 | 02-07-2002 | PROCTOR & GAMBLE | - | - |
| | DD | WO-02/09779-A1 | 02-07-2002 | PROCTOR & GAMBLE | - | - |

Examiner Signature

Patrice Johnson

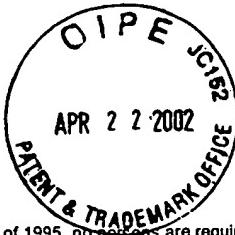
Date Considered

18 Mar 04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



APR 22 2002

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|------------------------|---------------|
| Substitute for form 1449A/PTO | | | | Compl t if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | 10/087,924 |
| (use as many sheets as necessary) | | | | Filing Date | March 5, 2002 |
| | | | | First Named Inventor | Joseph HESS |
| | | | | Art Unit | 3752 |
| | | | | Examiner Name | |
| Sheet | 2 | of | 2 | Attorney Docket Number | SYN 0002 |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature *Patrick J. Burson* **Date Considered** *18 Mar 04*

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.